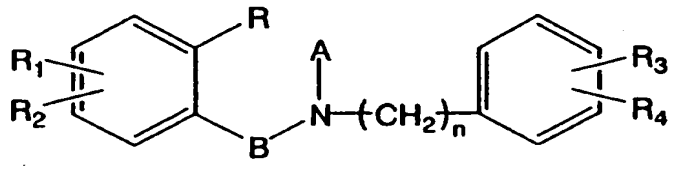
ABSTRACT

Antitussives containing as the active ingredient compounds represented by the general formula (I) or salts thereof:



① ② (I)

wherein A represents an alkoxycarbonylalkyl, carboxylalkyl, pyridylalkyl, pyridine oxid-yl alkyl, quinolylalkyl, indolylalkyl, pyrrolidylalkyl, furylalkyl , thienylalkyl, pyrrolylalkyl, imidazolylalkyl, pyrazolylalkyl, thiazolylalkyl, aminocarbonylalkyl, cyanoalkyl, or carboxylbenzyl; R represents a protected or unprotected hydroxyl or may combine with A to form a six or seven member ring comprising an oxygen atom; B represents a carbonyl or sulfonyl; R_1 and R_2 individually represent a hydrogen atom, alkoxy, benzyloxy, halogen atom, alkyl, hydroxyl, alkoxycarbonylalkyloxy, or carboxylalkyloxy; R_3 and R_4 individually represent a hydrogen atom, alkoxy, benzyloxy, halogen atom, alkyl, hydroxyl, alkoxycarbonylalkyloxy, carboxylalkyloxy, cyanoalkyloxy, aminosulfonyl, hydroxyalkyloxy, aminocarbonylalkyloxy, or may join to form an alkylene dioxy; and n is 1 or 2.

The invention provides novel compounds having antitussive activity, particularly peripheral antitussive activity.